

Notice of Allowability

Application No.

10/649,393

Applicant(s)

ISIP ET AL.

Examiner

Art Unit

Shahid Al Alam

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to telephonic interview on November 9, 2006.
2. ☒ The allowed claim(s) is/are 1-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 11092006.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


SHAHID ALAM
PRIMARY EXAMINER

DETAILED ACTION

1. This communication is in responsive to the amendment and argument filed on October 3, 2006 and telephonic interview on November 9, 2006.
2. After a search and a thorough examination of the present application and in light of the prior art made of record, claims 1 – 24 are allowed.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Luke K. Pedersen, Reg. No. 45,003 on November 9, 2006.

The application has been amended as follows:

In the claim:

Please cancel claims 25 – 54.

In claim 17, line 1, after "A computer recording" and before "medium", please insert "storage". First line should read "A computer recording storage medium . . ."

Allowable Subject Matter

4. The following is an examiner's statement of reasons for allowance:

The prior art of record teaches a method consist of four components, concurrent indexing, concurrent unloading of data file partitions, efficient reloading of DB2 data pages and DB2 space maps and means to reduce access constraints to the DB2 recovery table (U.S. Patent Number 5,222,235), relates to reorganized database data and index files, particularly DB2 tablespaces, into key order without utilizing conventional sorting procedure, while allowing the tablespaces to be viewed during reorganization and allowing prompt recovery or restarting of the process if interrupt before completion (U.S. Patent Number 5,887,274); and to processing of queries against information stored in a data processing system, such as an SQL Relational Database Management System (U.S. Patent Number 5,937,415).

The present invention relates to database management systems for reorganizing a tablespace in a database.

Therefore, the prior art of record neither teaches nor fairly suggests in combination elements as recited in claims 1, 9 and 17 and more particularly a method and system for reorganizing a tablespace in a database may include reading a row of data from the database, analyzing the row of data read out from the database, determining whether to eliminate or retain the row of data based on at least one predetermined rule, reloading the row of data into the database when it is determined that the row of data complies with the at least one predetermined rule, eliminating the row of data when it is determined that the row of data does not comply with the at least one predetermined rule, rebuilding an index related to the database to include keys that correspond to the reloaded row of data and

Art Unit: 2162

repeating the determining, reloading, eliminating and rebuilding for each row of data in the database.

The dependent claims, being definite, further limiting and fully enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shahid Al Alam whose telephone number is (571) 272-4030. The examiner can normally be reached on Monday-Thursday 8:00 A.M.- 4:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Shahid Al Alam
Primary Examiner
Art Unit 2162

November 10, 2006